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| **Problem Solving Method**   1. **Understand the Problem**  * Read the problem * What facts do you have? * Highlight important information in the question * Have you seen a question like this before? (how is it similar? How is it different? * *What are you being asked to figure out?* * *Write down* ***Given:*** *and ‘required’ at this step*  1. **Make a Plan (Choose a strategy)**   **\*\*Most Important- must be detailed**   * How have you solved similar problems in the past? * What strategies do you know? * What strategies do you want to try? **Why?** * If a strategy doesn’t work it’s okay, just try something different * Consider how you will record your work. Remember that you will need to explain your thinking, and describe the steps that you are taking to solve the problem  1. **Carry out the plan (SHOW your work)**  * *Now that you have thought about some strategies, go ahead and solve the problem* * *Remember to record your steps* * Do the necessary calculations * Revise or apply different strategies as needed * The right answer isn’t all that matters; so does the thinking and process that you went through in order to try and solve the problem  1. **Solution**  * **Prove** that you’ve answered what you were asked to do by doing the following:   + **Re-state** the required   + **Summarize** your findings from the carry out the plan section   + Where applicable, provide the correct units for your answer   + **Explain how** your findings meet the required |  | **Problem Solving Method**   1. **Understand the Problem**  * Read the problem * What facts do you have? * Highlight important information in the question * Have you seen a question like this before? (how is it similar? How is it different? * *What are you being asked to figure out?* * *Write down ‘given and ‘required at this step*  1. **Make a Plan (Choose a strategy)**   **\*\*Most Important- must be detailed**   * How have you solved similar problems in the past? * What strategies do you know? * What strategies do you want to try? **Why?** * If a strategy doesn’t work it’s okay, just try something different * Consider how you will record your work. Remember that you will need to explain your thinking, and describe the steps that you are taking to solve the problem  1. **Carry out the plan (SHOW your work)**  * *Now that you have thought about some strategies, go ahead and solve the problem* * *Remember to record your steps* * Do the necessary calculations * Revise or apply different strategies as needed * The right answer isn’t all that matters; so does the thinking and process that you went through in order to try and solve the problem  1. **Solution**  * **Prove** that you’ve answered what you were asked to do by doing the following:   + **Re-state** the required   + **Summarize** your findings from the carry out the plan section   + Where applicable, provide the correct units for your answer   + **Explain how** your findings meet the required |